

Illinois Environmental Protection Agency

L0430800006 - DuPage Co. Accent Marble ILD 982069270 SF/HRS

**PRELIMINARY** 

**ASSESSMENT** 

**SCORESHEET** 

CONFIDENTIAL

# PA Scoresheets

## GENERAL INFORMATION (continued)

Source Descriptions:

1. Sixteen (16) drums of waste in a surface impoundment were discovered during an August 30, 1990 inspection. The drums contained spent solvents (1,1,1-trichloroethane, still bottoms from reclaimation of 1,1,1-trichloroethane, and methylene chloride).

Waste Characteristics (WC) Calculations:

(See PA Table 1, page 5)

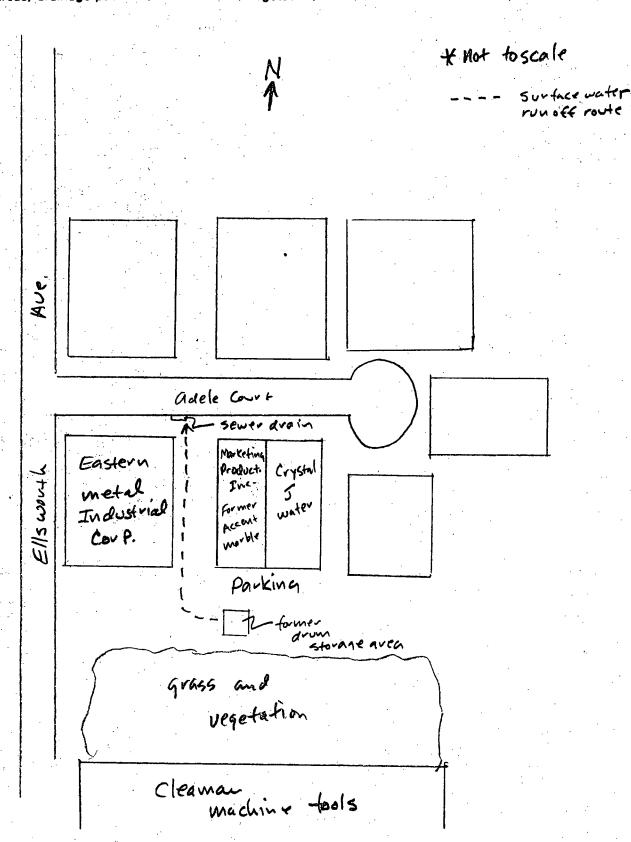
### Single Source Site

1) Volume - drums 16 drums WQ=18

WC -

#### **GENERAL INFORMATION (continued)**

Site Sketch: Prepare a sketch of the site (freehand is acceptable). Indicate all pertinent features of the site and nearby environs, including: waste sources, buildings, residences, access roads, parking areas, drainage patterns, water bodies, vegetation, wells, sensitive environments, etc.



#### PA TABLE 1: WASTE CHARACTERISTICS (WC) SCORES

PA Table 1a: WC Scores for Single Source Sites and Formulas for Multiple Source Sites

7		SINGLE	SOURCE SITES (assigned WC	scores)	MULTIPLE SOURCE SITES
E	SOURCE TYPE	WC = 18	WC = 32	WC = 100	Formula for Assigning Source WQ Values
8					
12mC-1-48	N/A	≤100 lb	> 100 to 10,000 lb	> 10,000 lb	/b + 1
<b>₹</b>	N/A	≤500,000 lb	>500,000 to 50 million lb	>50 million to	15 + 5,000
RE A					
	Landfill	≤6.75 million ft <sup>3</sup> ≤250,000 yd <sup>3</sup>	>6.75 million to 675 million ft <sup>3</sup> >250,000 to 25 million yd <sup>3</sup>	> 675 million ft <sup>3</sup> > 25 million yd <sup>3</sup>	ft <sup>3</sup> + 67,500 yd <sup>3</sup> + 2,500
	Surface impoundment	≤6,750 ft³ ≤250 yd³	>6;750 to 675,000 ft <sup>2</sup> >250 to 25,000 yd <sup>3</sup>	>675,000 ft <sup>3</sup> >25,000 yd <sup>3</sup>	ft <sup>3</sup> + 67.5 yd <sup>3</sup> + 2.5
. v (	Drums	\$1,000 drums	>1,000 to 100,000 drums	> 100,000 drums	drums + 10
C r 0	Tanks and non- drum containers	≤50,000 gellens	>50,000 to 5 million gallons	>5 million gallons	gallons + 500
M E	Contaminated soil	≤6.75 million ft <sup>3</sup> ≤250,000 yd <sup>3</sup>	> 6.75 million to 675 million ft <sup>3</sup> > 250,000 to 25 million yd <sup>3</sup>	>675 million ft <sup>3</sup> >25 million yd <sup>3</sup>	ft <sup>3</sup> + 67,500 ya <sup>3</sup> + 2,500
- 4	Pile	≤6,750 ft² ≤250 yd³	> 6,750 to 675,000 ft <sup>3</sup> > 250 to 25,000 yd <sup>3</sup>	> 675,000 ft <sup>3</sup> > 25,000 yd <sup>3</sup>	$ft^3 + 67.5$ $yd^3 + 2.5$
	Other	≤6,750 ft³ ≤250 yd³	> 6,750 to 675,000 ft <sup>2</sup> > 250 to 25,000 yd <sup>2</sup>	>675,000 ft <sup>2</sup> >25,000 ye <sup>3</sup>	ft <sup>3</sup> + 67.5 yd <sup>3</sup> + 2.5
	Landfill	≤340,000 ft <sup>2</sup> ≤7.8 acres	>340,000 to 34 million ft <sup>2</sup> >7:8 to 780 scree	>34 million ft <sup>2</sup> >780 scree	ft <sup>2</sup> + 3,400 acres + 0.078
	Surface impoundment	≤1,300 ft <sup>3</sup> ≤0.029 acree	>1,300 to 130,000 ft <sup>2</sup> >0.029 to 2.9 scree	>130,000 ft <sup>2</sup> >2.9 scree	ft <sup>2</sup> + 13 acres + 0.00029
R	Contaminated soil	≤3.4 million ft <sup>a</sup> ≤78 acree	>3.4 million to 340 million ft <sup>2</sup> >78 to 7,800 scree	>340 million ft <sup>2</sup> >7,800 ecres	ft <sup>2</sup> + 34,000 acres + 0.78
A	Pile*	≤1,300 ft <sup>2</sup> ≤0.029 acres	>1,300 to 130,000 ft <sup>2</sup> >0.029 to 2.9 scree	>130,000 ft <sup>2</sup> >2.9 eares	ft <sup>2</sup> + 13 acres + 0.00029
	Land treatment	≤27,000 ft <sup>2</sup> ≤0.62 acres	> 27,000 to 2.7 million ft <sup>2</sup> > 0.62 to 62 scres	> 2.7 million ft <sup>3</sup> > 62 acres	ft <sup>2</sup> + 270 acres + 0.0062

<sup>1</sup> ton = 2,000 lb = 1 yd3 = 4 drums = 200 gellons

PA Table 1b: WC Scores for Multiple Source Sites

WQ Total	WC Soore
>0 to 100	18
> 100 to 10,000	32
>10,000	1.00

Use area of land surface under pile, not surface area of pik

## GROUND WATER PATHWAY GROUND WATER USE DESCRIPTION

Describe Ground Water Use Within 4-miles of the Site:
(Describe stratigraphy, information on aquifers, municipal and/or private wells)

According to several sources, the entire area within a four mile radius of the site is served by several water districts. All of the water districts utilize Chicago city water. The water districts obtain their water from surface water intakes located on Lake Michigan. Very few, if any, groundwater wells are used for private purposes. A small number of groundwater municipal wells are currently being used in a backup role. For locations of the backup wells, refer to the 7.5 minute map located in Section IIIof this report.

Calculations for Drinking Water Populations Served by Ground Water:

See PA Table 2 on page 7 of this report for public well data.

GROUND WATER PAT	HWAY CRITERIA LIST
SUSPECTED RELEASE	PRIMARY TARGETS
Y N U e o n s k □ 5 □ Are sources poorly contained?	Y N U e o n s k □ ⑤ □ Is any drinking water well nearby?
□ 粵 □ Is the source a type likely to contribute to ground water contamination (e.g., wet lagoon)?	日 書 日 Has any nearby drinking water well been closed?
□ 個 □ Is waste quantity particularly large?	foul-tasting or foul-smelling water?
回 图 口 Is precipitation heavy?	□ 题 □ Does any nearby well have a large drawdown or high production rate?
□ 图. Is the site located in an area of karst terrain?	□ ■ □ Is any drinking water well located between the site and other wells that are suspected to be exposed to a hazardous substance?
☐ 题 ☐ Is the subsurface highly permeable or conductive? ☐ 题 ☐ Is drinking water drawn from a shallow aquifer?	口 題 □ Does analytical or circumstantial evidence suggest contamination at a drinking water well?
aquiterr.  图 □ □ Are suspected contaminants highly mobile in ground water?	☐ 篇 ☐ Does any drinking water well warrant sampling?
Does analytical or circumstantial evidence suggest ground water contamination?	☐ ■ PRIMARY TARGET(S) IDENTIFIED?
Other criterie?	
国	Summarize the retionale for Primary Targets (attach an additional page if necessary):
No release to groundwater  pathway is suspected.	N/A

## GROUND WATER PATHWAY SCORESHEET

Pethway Characteristics			ļ .
Do you suspect a release (see Ground Water Pathway Criteria List, page 7)? Is the site located in karst terrain? Depth to aquifer: Distance to the nearest drinking water well:	Yes	No X	
	<b>A</b>	R	
OD OF BELFACE	Suspensed	No Suspensed	Ì
OU OF RELEASE	Release	Refesso	References
	·	1800 or 2000	
s is in karst terrain or the depth to aquifer is 70 feet or less, assign a score		500	1
1R =		500	
			1
g water wells that you suspect have been exposed to a hazardous noe from the site (see Ground Water Pathway Criteria List, page 7).			
nce from the site, and assign the total population score from PA Table 2.	:		
Are any wells part of a blended system? Yes No No If yes, attach a page to show apportionment calculations.	IM M HALLE .	2000	2
assign a score of 50; otherwise, assign the Nearest Well score from		9	3
u have identified any primary target well within a WHPA, assign a score of 20; 5 if neither condition holds but a WHPA is present within 4 miles; otherwise		5	4
	10 <b>- 4</b>	5	900. 100 kg
Τ =		2019	1
CHARACTERISTICS			
racteristics score calculated on page 4, or a score of 32, whichever is	(100 <b>= 32</b> )	:	
ou have NOT identified any primary target for ground water, assign the	(109 <b>,32, e</b> 10)	18	
wc -		18	
4	م مه معرضوا	orting of 1001	•
WATER PATHWAY SCORE:  LR x T x WC 82,500	1/)	^)	
	Do you suspect a release (see Ground Water Pathway Critena List, page 7)?  Is the site located in karst terrain?  Depth to aquifer.  Distance to the nearest drinking water well:  OD OF RELEASE  CTED RELEASE: If you suspect a release to ground water (see page 7), a score of 550. Use only column A for this pathway.  SPECTED RELEASE: If you do not suspect a release to ground water, and as in karst terrain or the depth to aquifer is 70 feet or less, assign a score; otherwise, assign a score of 340. Use only column B for this pathway.  LR =  S  RY TARGET POPULATION: Determine the number of people served by greater wells that you suspect have been exposed to a hazardous nice from the site (see Ground Water Pathway Critena List, page 7).  ———————————————————————————————————	Do you suspect a release (see Ground Water Pathway Criteria List, page 717  Is the site located in karst terrain?  Distance to the nearest drinking water well:  DOD OF RELEASE  CTED RELEASE: If you suspect a release to ground water (see page 7), a score of 550. Use only column A for this pathway.  SPECTED RELEASE: If you do not suspect a release to ground water, and as soir end for the depth to aquifer is 70 feet or less, assign a score; otherwise, assign a score of 340. Use only column B for this pathway.  LR =  S  RY TARGET POPULATION: Determine the number of people served by gwater wells that you suspect have been exposed to a hazardous nice from the site (see Ground Water Pathway Criteria List, page 7).  DARY TARGET POPULATION: Determine the number of people served by gwater wells that you do NOT suspect have been exposed to a hazardous nice from the site, and assign the total population score from PA Table 2.  Are any wells part of a blended system? Yes \( \) No [if yes, attach a page to show appronoment calculations.  ST WELL: If you have identified a primary target well within a wMPA, assign a score of 20; Sif neither condition holds but a WHPA is present within 4 miles; otherwise  T =  CHARACTERISTICS  Ou have identified any primary target well within a wMPA, assign as score of 20; Sif neither condition holds but a WHPA is present within 4 miles; otherwise  T =  CHARACTERISTICS  Ou have identified any primary target for ground water, assign the waste rectenistics score calculated on page 4, or a score of 32, whichever is EATER; do not evaluate part 8 of this factor.  Ou have identified any primary target for ground water, assign the site characteristics score calculated on page 4, or a score of 32, whichever is EATER; do not evaluate part 8 of this factor.  Out have NOT identified any primary target for ground water, assign the site characteristics score calculated on page 4.  [Industrial is a miles.]	Do you suspect a release (see Ground Water Pathway Criteria List, page 7)?  It is the site focated in kizert terrain?  Cepth to equifer:  Distance to the rearest drinking water well:  OD OF RELEASE  OD OF RELEASE  Total Name of the pathway of the

PA TABLE 2: VALUES FOR SECONDARY GROUND WATER TARGET POPULATIONS

PA Table 2a: Non-Karst Aquifers

		Nearest			Рори	lation Ser	ved by W	olls Withi	n Distance	Categor	γ		
Distance from Site	Population	Well (choose highest)	1 •• 10	11 to 30	31 to 100	101 •- 300	301 to 1,000	1,001 to 1,000	1,001 to 10,000	10,001 to 30,000	30,001 to 100,000	Greater then 100,000	Population Value
O to X mile	510	20	1	2	6	16	63)	163	521	1,633	5,214	16,325	52
>% to % mile	5000	18	1	1	3	10	32	101	<b>323</b>	1,012	3,233	10,121	323
> % to 1 mile	15,000	0	1	1	2	6	17	62	167	622	1,668	5,224	522
>1 to 2 miles	30,000	. 6	1	1	1	3	9	29	94	294)	939	2,938	294
>2 to 3 miles	45,000	3	1	1	1	2	7	21	68	212	678	2,122	678
>3 to 4 miles	27,000	2	1	1	1	1	4	13	42	(ii)	417	1,306	131
	Nearest Well -	9			•			•		7		Score =	2000

PA Table 2b: Karst Aquifers

<del></del>		Nearest	· ·		Рори	lation Ser	ved by W	ells Withi	n Distance	Categor	Υ		1
		Well	1	11	31	101	301	1,001	1,001	10,001	30,001	Greeter	
Distance		luse 20	<b>to</b>	te	te		to ,	to	to	100	to	.then	Population
from Site	Population	for karst)	10	30	100	300	1,000	3,000	10,000	30,000	100,000	100,000	Value
) to % mile		20	1	2	5	16	52	163	621	1,633	5,214	16,325	·
> % to % mile		20	1	1	3	10	32	101	323	1,012	3,233	10,121	
> % to 1 mile	<del></del>	20	1	1	3	8	26	82	261	816	2,607	8,162	. <del></del>
>1 to 2 miles		20	1	1	3	8	26	82	261	816	2,607	8,162	
>2 to 3 miles		20	1	1	з		28	82	261	816	2,607	8,162	- 1 + :
>3 to 4 miles		20	1	1	3	8	26	82	261	816	2,607	8,162	
Nei	rest Well -					- :						Score =	

SURFACE WATER PA	THWAY CRITERIA LIST
SUSPECTED RELEASE	PRIMARY TARGETS
Y N U e o n s k □ □ □ ls surface water nearby?	Y N U e o n s k □ 館 □ Is any target nearby? If yes:
□ 體 □ Is waste quantity particularly large?	☐ Drinking water intake☐ Fishery☐ Sensitive environment
☐ ☐ ☐ Is rainfall heavy?  ☐ ☐ ☐ Is the infiltration rate low?	☐ 図 ☐ Has any intake, fishery, or recreational area been closed?
☐ ■ ☐ Are sources poorly contained or prone to runoff or flooding?	☐ 図 ☐ Does analytical or circumstantial evidence suggest surface water contamination at or downstream of a target?
Is a runoff route well defined (e.g., ditch or channel leading to surface water)?	☐ 图 ☐ Does any target warrant sampling? If yes: ☐ Drinking water intake
☐ 😩 ☐ Is vegetation stressed along the probable run- off route?	☐ Fishery ☐ Sensitive environment
☐ ■ ☐ Are sediments or water unnaturally discolored? ☐ ■ ☐ Is wildlife unnaturally absent?	Other criteria?
☐ ■ ☐ Has deposition of waste into surface water been observed?	□ ■ PRIMARY FISHERY(IES) IDENTIFIED?
☐ ● ☐ Is ground water discharge to surface water likely?	PRIMARY SENSITIVE ENVIRONMENT(S) IDENTIFIED?
□ 图 □ Does analytical or circumstantial evidence suggest surface water contamination?	
Other criterie?	
SUSPECTED RELEASE?  Summarize the rationale for Suspected Release (attach an	Summarize the rationale for Primary Targets (attach an
additional page if necessary):	edditional page if necessary):
No release to	No primary targets
surfacewater is suspected.	have been identified.
	·

## SURFACE WATER PATHWAY LIKELIHOOD OF RELEASE AND DRINKING WATER THREAT SCORESHEET

					Α	8	_
KELIH	OOD OF RELEASE				Suspected Release	No Suspected Release	Refe
SUŚF	PECTED RELEASE: If you suspect a release to sur	face wate	r (see page 11	).	(100)		
	n a score of 550. Use only column A for this pat						l _
wate	USPECTED RELEASE: If you do not suspect a rel r, use the table below to assign a score based on r and flood frequency. Use only column 8 for this	distance t	o surface	·		1800.400.300 or 1000	
	Distance to surface water ≤ 2,500 feet	500			. A. 1	/IDA	
	Distance to surface water > 2,500 feet, and					400	ł
	Site in annual or 10-year floodplain	500					1
	Site in 100-year floodplain	400					j
	Site in 500-year floodplain	300					.
	Site outside 500-year floodplain	100					_
				<del></del>	1946	(900,400,300 or 100)	1 <del>-</del>
		•		LR.=		400	
				_, _			J
	ng water intake within the target distance limit, fa		there is no 5, and 6				
each	receive zero scores.	actors 4, 5	5, and 6				
each			o, and 6				
each	receive zero scores.	actors 4, 5	People Ser	<del>-</del>			
each	receive zero scores.	actors 4, 5	Freque Sar cfs				
/meaks	receive zero scores.  Name Weter Body Type	Row	People Ser				
/ntake	Weter Body Type  Water Body Type  ARY TARGET POPULATION: If you suspect any	Row  drinking w	People Sar cfs cfs cfs ater intake list	ed			
PRIM.	ARY TARGET POPULATION: If you suspect any is the been exposed to a hazardous substance from	Actors 4, 5	People Sar  cfs  cfs  cfs  ater intake list (see Surface V	ed Vater			
PRIM. above	ARY TARGET POPULATION: If you suspect any on has been exposed to a hazardous substance from you Criteria List, page 11), list the intake name(s)	Actors 4, 5	People Sar  cfs  cfs  cfs  ater intake list (see Surface V	ed Vater			
PRIM.	ARY TARGET POPULATION: If you suspect any is the been exposed to a hazardous substance from	Actors 4, 5	People Sar  cfs  cfs  cfs  ater intake list (see Surface V	ed Vater			
PRIM.	ARY TARGET POPULATION: If you suspect any on has been exposed to a hazardous substance from you Criteria List, page 11), list the intake name(s)	Actors 4, 5	People Sar  cfs  cfs  cfs  ater intake list (see Surface V	ed Vater			<u></u>
PRIM.	ARY TARGET POPULATION: If you suspect any on has been exposed to a hazardous substance from you Criteria List, page 11), list the intake name(s)	Actors 4, 5	People Sar  cfs  cfs  cfs  ater intake list (see Surface V	ed Vater			<u></u>
PRIM. above Pathy score	ARY TARGET POPULATION: If you suspect any on has been exposed to a hazardous substance from you Criteria List, page 11), list the intake name(s)	Actors 4, 5	People Sar  cfs  cfs  cfs  ater intake list (see Surface V late the factor	red Vater			
PRIM, above SECO	ARY TARGET POPULATION: If you suspect any on the total population served.  INDARY TARGET POPULATION: Determine the ing water intakes that you do NOT suspect have be	drinking with the site of and calculations and calculations are size of the si	People Sar  cfs  cfs  cfs  ater intake list (see Surface V late the factor  people served led to a hazaro	x 10 =			1
PRIM, above SECO	ARY TARGET POPULATION: If you suspect any on the total population served.  INDARY TARGET POPULATION: Determine the:	drinking with the site of and calculations and calculations are size of the si	People Sar  cfs  cfs  cfs  ater intake list (see Surface V late the factor  people served led to a hazaro	x 10 =			2
PRIM, above Pathy score	ARY TARGET POPULATION: If you suspect any on the total population served.  INDARY TARGET POPULATION: Determine the ing water intakes that you do NOT suspect have be	drinking with the site of and calculations and calculations are size of the si	People Sar  cfs  cfs  cfs  ater intake list (see Surface V late the factor  people served led to a hazaro	x 10 =			
PRIM, above SECO	ARY TARGET POPULATION: If you suspect any on the total population served.  INDARY TARGET POPULATION: Determine the management of the total population served.  INDARY TARGET POPULATION: Determine the management of the total population served.  Are any intakes part of a blended system?	drinking w. n the site and calcul	people served to a hazard m PA Table 3	x 10 =		0	2
PRIM, above SECO	ARY TARGET POPULATION: If you suspect any on the total population served.  INDARY TARGET POPULATION: Determine the ing water intakes that you do NOT suspect have be	drinking w. n the site and calcul	people served to a hazard m PA Table 3	x 10 =		0	
PRIM. above Pathve SECO dnnkis subst	ARY TARGET POPULATION: If you suspect any on the total population served.  INDARY TARGET POPULATION: Determine the management of the total population served.  INDARY TARGET POPULATION: Determine the management of the total population served.  Are any intakes part of a blended system?	drinking with the site and calculations.	People Sar  cfs  cfs  cfs  cfs  ater intake list (see Surface V late the factor  people served led to a hazaro  m PA Table 3	x 10 =	M.M.L. et	(3.41)	
PRIM. above Pathwascore SECO drinkin subst	ARY TARGET POPULATION: If you suspect any of has been exposed to a hazardous substance from vay Criteria List, page 11), list the intake name(s) based on the total population served.  INDARY TARGET POPULATION: Determine the ing water intakes that you do NOT suspect have beance from the site, and assign the total population.  Are any intakes part of a blended system? You if yes, attach a page to show apportionment ca	drinking with the site and calculations.	People Sar  cfs  cfs  cfs  cfs  ater intake list (see Surface V late the factor  people served led to a hazaro  m PA Table 3	x 10 =	MANALL OF	(20.00.1) - 0	
PRIMA above Pathv score SECO dnnkii subst	ARY TARGET POPULATION: If you suspect any of has been exposed to a hazardous substance from vay Criteria List, page 11), list the intake name(s) based on the total population served.  INDARY TARGET POPULATION: Determine the many water intakes that you do NOT suspect have to ance from the site, and assign the total population. Are any intakes part of a blended system? You fill yes, attach a page to show apportionment callest INTAKE: If you have identified a primary tarker.	drinking with the site and calculations. In score from the site and calculations are seen exposed the seen e	People Sar  cfs  cfs  cfs  cfs  ater intake list (see Surface V late the factor  people served led to a hazaro m PA Table 3  tion for the assign the	ed Vater x 10 =	M.M. W. L W		<u></u>
PRIMA above Pathws score SECO dinnkii subst	ARY TARGET POPULATION: If you suspect any of has been exposed to a hazardous substance from vay Criteria List, page 11), list the intake name(s) based on the total population served.  INDARY TARGET POPULATION: Determine the page to show apportionment cannot be served and assign the total population.  Are any intakes part of a blended system? You fixed the page to show apportionment cannot be served.  IEST INTAKE: If you have identified a primary taring water threat (factor 4), assign a score of 50; or	drinking with the site and calculations. In score from the site and calculations.	People Sar  cfs  cfs  cfs  cfs  ater intake list (see Surface V late the factor  people served led to a hazaro m PA Table 3  tion for the assign the	ed Vater x 10 =		0	<u></u>
PRIMA above Pathy score SECO drinkin subst	ARY TARGET POPULATION: If you suspect any on has been exposed to a hazardous substance from vay Criteria List, page 11), list the intake name(s) based on the total population served.  INDARY TARGET POPULATION: Determine the ingle water intakes that you do NOT suspect have been ance from the site, and assign the total population.  Are any intakes part of a blended system? You figure, attach a page to show apportionment causes.  IEST INTAKE: If you have identified a primary taring water threat (factor 4), assign a score of 50; of each linear street in the st	drinking with the site and calculations. In score from the site and calculations.	People Sar  cfs  cfs  cfs  cfs  ater intake list (see Surface V late the factor  people served led to a hazaro m PA Table 3  tion for the assign the	ed Vater x 10 =	:M.25.V4.1. = 9	0	
PRIMA above Pathy score SECO drinkin subst	ARY TARGET POPULATION: If you suspect any of has been exposed to a hazardous substance from vay Criteria List, page 11), list the intake name(s) based on the total population served.  INDARY TARGET POPULATION: Determine the page on the total population served.  INDARY TARGET POPULATION: Determine the page of the total population and assign the total population.  Are any intakes part of a blended system? You figure, attach a page to show apportionment can see the page of	drinking with the site and calculations. In score from the site and calculations.	People Sar  cfs  cfs  cfs  cfs  ater intake list (see Surface V late the factor  people served led to a hazaro m PA Table 3  tion for the assign the	ed Vater x 10 =			<u></u>

PA TABLE 3: VALUES FOR SECONDARY SURFACE WATER TARGET POPULATIONS

		Nearest		* 2* - *	P	pulation	Served by	Intekes \	Nithin Flo	w Catego	rγ	<del>-</del> :		
Surface Water		Intake	1	31	101	301	1,001	1001	10,001	30,001	100,001	300,001	Greater	
Body Flow (see PA Table 4)	Populetion	(choose highest)	30 30	to 100	300	to 1,000	1000	10,000	30,000	te 100,000	300,000	te 1,000,000	then 1,000,000	Population Value
<10 cfs		20	2	6	16	52	163	521	1,633	5,214	16,325	52,136	163,246	
10 to 100 ofs		2	1	1	2 .	5	16	52	163	521	1,633	5,214	16,325	
> 100 to 1,000 ofe		1	0	0	1	1	2	5	16	52	163	521	1,633	·
> 1,000 to 10,000 cfs		0	. 0	0	0	0	1	1	2	5	16	52	163	·
>10,000 cfs or Great Lakes		<b>©</b>	0	0	0	0	0	0	1 .	1	2	5	16	
3-mile Mixing Zone		10	1	3	8	26	82	261	816	2,607	8,162	26,068	81,663	
Neare	st intake =	0				·.		•	·			•	score =	0

# PA TABLE 4: SURFACE WATER TYPE / FLOW CHARACTERISTICS WITH DILUTION WEIGHTS FOR SECONDARY SURFACE WATER SENSITIVE ENVIRONMENTS

Type of Su	riace Wate	r Body		Dilution			
Water Body Type	OR	OR Flow					
minimal stream		< 10 cfs			1		
email to moderate stream		10 to 100 cfs	· :		0.1		
moderate to large atream	•	> 100 to 1,000 of			N/A		
large stream to river		> 1,000 to 10,000 cfs			N/A		
large river	•	> 10,000 cfe			N/A		
3-mile mixing zone of							
quiet flowing streams or rivers		10 cfs or greater			N/A		
coastal tidal water (herbors,					. ~		
sounds, bays, etc.), ocean,		N/A			N/A		
or Great Lakes	. 2						

## SURFACE WATER PATHWAY (continued) HUMAN FOOD CHAIN THREAT SCORESHEET

LIK	ELIHOOD OF RELEASE		e.			Suspensed	No Suspensed	Reference
Ente	r Surface Water Likelihood o	of Release score	from page 12.	·**	LR -	144	400	
HU	MAN FOOD CHAIN THE	REAT TARGET	3					
	Record the water body type the target distance limit. If distance limit, assign a Targ	there is no fishe	ry within the target					
(	Fishery Name		Weter Body Type	Rew				:
1 [				1 2 2 2	cfs			
. 1					_cfs	•		
<b>'</b> .					_cfs	•		
			<del>-</del>		cfs	<b>.</b>		
					cfs			
				<u>.</u>	•	(214)		
10.	SECONDARY FISHERIES	•						
	If you suspect a release to s but no primary fishery, assi			condary fis	hery			
	If you do not suspect a relai below using the lowest flow				table		#14.5 e 18	
	Lewest Fis	w	Secondary Rehades	Seere				
	< 10 cfs		210					
	10 to 100		30					•
		, coastal	· · · · · · · · · · · · · · · · · · ·					
	tidal wate or Great I	rs, oceans, .akes	12	· · · · · ·			12	6
٠					Т-	CHARL &	12	

## FURFACE WATER PATHWAY (continued) PNVIROMMENTAL THREAT SCORESHIET

Inna Carlona Marca A.				Automo	No Suspensed	-
AND SUPPECE WEIST LA	kelihood of Release a	core from page 12.	UR =		400	
ENVIRONMENTAL	THREAT TARGET	8				3
sensitive environm and 5). If there is	ent within the target no sensitive environs	f applicable) for each surface w distance limit (see PA Tebles of nent within the target distance bottom of the page.				
Environment Name		Water Body Type	Row			
		# + A	cfs			
			cfs			
l ———			cts			
	·	<del></del>	crs	·		
		<del></del>	cfs			
3. SECONDARY SEN	s a primary sensitive	ITS: If sensitive environments environment, evaluate Second				
A. For secondary		ts on surface water bodies with lows, and do not evaluate part				
100 cfs or less this factor:	00.46-1444 6-44	Tanas and the second states				:
	Distan Weight (PA Table 4)	Bridgement Type and Value (PA Tables 6 and 6)	Total			
this factor:	IPA Tobio 4	<del></del>	Total			
this factor:	(PA Tobio 4)	IPA Tobbes & and CI	Total			
this factor:	(PA Tobio 4)	PA Tobbes 6 and 60				
this factor:	(PA Tobbo 4)	PA Tobbes 8 and 6)				
this factor:	(PA Tobio 4)	PA Tobbo 6 and 60	•			
this factor:  Row  cfs  cfs  cfs  cfs	(PA Tobio 4)	PA Tables 6 and 60	• -			
this factor:  ### Cfs   Cfs	(PA Teles 4)	PA Tobbo 6 and 60	• •	100		
this factor:  #### Cfs Cfs Cfs Cfs Cfs Cfs Cfs	(PA Toble 4)	PA Tables 6 and 60  x x x x x x x x	• •	18-3	10	
this factor:  #### cfs cfs cfs cfs Cfs Cfs	(PA Toble 4)	PA Tobbo 6 and 60	• •	14	10	

# SURFACE WATER PATHWAY (concluded) WASTE CHARACTERISTICS, THREAT, AND PATHWAY SCORE SUMMARY

	. A	_ , B ,
	Suspensed	No Suspense
WASTE CHARACTERISTICS	Referen	Referen
	(100 o 100	
4. A. If you have identified any primary target for surface water (pages 12, 14,	1	
or 15), assign the waste characteristics score calculated on page 4, or a score		
of 32, whichever is GREATER; do not evaluate part B of this factor.		
	(100.32, # 10)	(100.32 a 10
B. If you have NOT identified any primary target for surface water, assign the		·
waste characteristics score calculated on page 4.		18
		1 0
	}	14
WC →		10

SURFACE WATER PATHWAY THREAT SCORES

Threat	Likelihood of Release (LR) Score (from page 12)	Targota (T) Scare (pages 12, 14, 15)	Pethwey Weste Characteristics (WC) Score (determined above)	Threat Score LR x T x WC / 82,500
Drinking Water	400	5	18	.4
Human Food Chain	400	12	18	1.11
Environmental	400	10	18	/09

SURFACE WATER PATHWAY SCORE (Drinking Water Threat + Human Food Chain Threat + Environmental Threat)

2:4

			₹.	
SUSPECTED CONTAMINATION	1			RESIDENT POPULATION
	Y	N	U	
	•	0	n	#1.
		_	k	
		199		Is any residence, school, or daycare facility or within 200 feet of an area of suspected contamination?
Surficial contamination can generally be assumed.		<b>1</b>		Is any residence, school, or daycare facility located on adjacent land previously owned of leased by the site owner/operator?
		<b>a</b>		Is there a migration route that might spread hazardous substances near residences, schools, or daycare facilities?
	С	8	ı	Have onsite or adjacent residents or students reported adverse health effects, exclusive of apparent drinking water or air contamination problems?
•		<b>=</b>	□	Does any neighboring property warrant sampling?
				Other criteria?
		_		RESIDENT POPULATION IDENTIFIED?
Summarize the rationale for Resident Population (attach an a	ddition	nal p	page	e if necessary):
No residential areas, schools	, 0	r	da	
	, 0	r	da	
No residential areas, schools	, 0	r	da	
No residential areas, schools	, 0	r	da	
No residential areas, schools	, 0	r	da	
No residential areas, schools	, 0	r	da	
No residential areas, schools	, 0	r	da	
No residential areas, schools	, 0	r	da	
No residential areas, schools	, 0	r	da	
No residential areas, schools	, 0	r	da	
No residential areas, schools	, 0	r	da	
No residential areas, schools	, 0	r	da	
No residential areas, schools	, 0	r	da	
No residential areas, schools	, 0	r	da	
No residential areas, schools	, 0	r	da	
No residential areas, schools	, 0	r	da	
No residential areas, schools	, 0	r	da	
No residential areas, schools	, 0	r	da	
No residential areas, schools	, 0	r	da	
No residential areas, schools	, 0	r	da	

#### SOIL EXPOSURE PATHWAY SCORESHEET

Pethwey Cherecteristics		
Do any people live on or within 200 ft of sreas of suspected contamination?	Yes No	<b>조</b> 丁
Do any people attend school or daycare on or within 200 ft of areas		v ! .
of suspected contamination?  Is the facility active? Yes X No If yes, estimate the number of workers:	// Yes No _	<u> </u>
13 the 18chity active? Yes 1 No 11 Yes, estimate the number of workers:	<u></u>	
LIVELIUGAD AS SYDACIAS	Suspected	
LIKELIHOOD OF EXPOSURE	Contemination	References
1. SUSPECTED CONTAMINATION: Surficial contamination can generally be assumed,		• •
and a score of 550 assigned. Assign zero only if the absence of surficial contamination can be confidently demonstrated.	550	8
Containing (1011 Call de Connocité Centro Strates.	330	_0_
RESIDENT POPULATION THREAT TARGETS		
THE THE POPULATION OF THE POPU		
2. RESIDENT POPULATION: Determine the number of people occupying residences	1	
or attending school or daycare on or within 200 feet of areas of suspected		•
contamination (see Soil Exposure Pathway Criteria List, page 18).		9
people x 10 =	160 = 0	
3. RESIDENT INDIVIDUAL: If you have identified a resident population (factor 2),	$\sim$	Q.
assign a score of 50; otherwise, assign a score of 0.		
4. WORKERS: Use the following table to assign a score based on the total number of		
workers at the facility and nearby facilities with suspected contamination:		
	l' .	
Number of Workers Score		
1 to 100 5		
101 tg 1,000 10	_	<b>A</b> 5
>1,000 15	<u> </u>	<i>I</i>
		4-
5: TERRESTRIAL SENSITIVE ENVIRONMENTS: Use PA Table 7 to assign a value		•
for each terrestrial sensitive environment on an area of suspected contamination:		
	,	
Terrestrial Sensitive Environment Type Value		-
		8 8
Sum •		8 4
6. RESOURCES	ا ہے ا	
	5	
T =	/0	
WASTE CHARACTERISTICS		• •
	(140L 32, ar 140)	
7. Assign the waste characteristics score calculated on page 4. WC =	18	
L		
	1	
RESIDENT POPULATION THREAT SCORE: LE X T X WC		
82,500		
	.0	
NEARBY POPULATION THREAT SCORE:		. 🚗
MEANDY POPULATION TIMES I SCORE.	7	12
		·
	judges to a restrict of 1985	
SOIL EXPOSURE PATHWAY SCORE:		
Resident Population Threat + Nearby Population Threat	<u>~.0</u>	
	•	

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## PA TABLE 7: SOIL EXPOSURE PATHWAY TERRESTRIAL SENSITIVE ENVIRONMENT VALUES

Terrestrial Sensitive Environment	Assi	ned Value
Terrestrial critical habitat for Federally designated endangered or threatened species		100
National Park		
Designated Federal Wilderness Area		
National Monument	* + +	
Terrestrial habitat known to be used by Federally designated or proposed threatened or endangered species		75
National Preserve (terrestnal)		
National or State terrestrial Wildlife Refuge	*	•
Federal land designated for protection of natural ecosystems		
Administratively proposed Federal Wildemess Area		
Terrestrial areas utilized by large or dense aggregations of animals (vertebrate species) for breeding	_ ·	
Terrestrial habitat used by State designated endangered or threatened species	1.7	50
Terrestrial habitat used by species under review for Federal designated endangered or threatened status		<u> </u>
State lands designated for wildlife or game management		25
State designated Natural Areas		
Particular areas, relatively small in size, important to maintenance of unique biotic communities	· .	

AIR PATHWAY	CRITERIA LIST
SUSPECTED RELEASE	PRIMARY TARGETS
Y N U e o n s k □ 盤 □ Are odors currently reported?	
图 □ □ Has release of a hazardous substance to the air been directly observed? □ 器 □ Are there reports of adverse health effects	If you suspect a release to air, evaluate all populations and sensitive environments within 1/4 mile (including those onsite) as primary targets.
(e.g., headaches, nauses, dizziness) potentially resulting from migration of hazardous substances through the air?	
☐ 图 ☐ Does analytical or circumstantial evidence suggest a release to the air?	
Other criterie?	
SUSPECTED RELEASE?  Summarize the rationale for Suspected Release (attach an ad	
The DuPage County Fire Department complaint concerning fumes emarkarea at the former Accent Mark	inating from the drum stores

#### AIR PATHWAY SCORESHEET

Pathway Characteristics			
Do you suspect a release (see Air Pathway Criteria List, page 21)? Distance to the nearest individual:	Yes	X №	I
	A_	<u> </u>	ı.
LIKELIHOOD OF RELEASE	Suspensed Release	No Suspected Release	References
SUSPECTED RELEASE: If you suspect a release to air (see page 21), assign a score of 550. Use only column A for this pathway.	550		13
<ol><li>NO SUSPECTED RELEASE: If you do not suspect a release to air, assign a score of 500. Use only column B for this pathway.</li></ol>			
UR =	550		
TARGETS			
3. PRIMARY TARGET POPULATION: Determine the number of people subject to exposure from a suspected release of hazardous substances to the air.  510 people x 10 =	5,100		14
SECONDARY TARGET POPULATION: Determine the number of people not suspected to be exposed to a release to air, and assign the total population score using PA Table 8.	90	•	B
5. NEAREST INDIVIDUAL: If you have identified any Primary Target Population for the air pathway, assign a score of 50; otherwise, assign the Nearest Individual score from PA Table 8.	20	130.7.£1, a €	15
6. PRIMARY SENSITIVE ENVIRONMENTS: Sum the sensitive environment values (PA Table 5) and wetland acreage values (PA Table 9) for environments subject to exposure from a suspected release to the air.		·	
Sensitive Environment Type Yelus			
Sun =	0		11
SECONDARY SENSITIVE ENVIRONMENTS: Use PA Table 10 to determine the score for secondary sensitive environments.	0		
8. RESOURCES	5	it a @ '	
Т =	5215		
WASTE CHARACTERISTICS			
A. If you have identified any Primary Target for the air pathway, assign the waste characteristics score calculated on page 4, or a score of 32, whichever is	27		
GREATER; do not evaluate part B of this factor.	32	19 <b>03.33</b> o 40	
B. If you have NOT identified any Primary Target for the air pathway, assign the waste characteristics score calculated on page 4.		·	
wc -	32		
AIR PATHWAY SCORE:  LR x T x WC 82,500	10	0	

PA TABLE 8: VALUES FOR SECONDARY AIR TARGET POPULATIONS

		Nearest				Α	puletion	Within Dis	tance Ca	tegory					
l i		Individual	7	11	31	101	301	1,001	2001	10,001	30,001	100,001	300,001	Greeter	
Distance	On a station	(choose	•	*	49	80	80	80	***	<b>10</b>	<b>60</b>	<b>b</b>	*	then	Populetion
from Site	Population	highest)	10	30	100	300	1,000	1,000	10,000	30,000	100,000	300,000	1,000,000	1,000,000	Vake
Oneite	_/0_	20	$ \odot $	2	5	16	52	163	521	1,633	5,214	16,326	52,136	163,246	
>0.to % mile	510	20	1	. 1	<sup>75</sup> 1 <sub>8</sub>	4	13	41,	130	408	1,303	4,081	13,034	40,811	13
> X to X mile	5000	2	0	0	1	1	3	9 -	28	88	282	882	2,815	8,815	28
>% to 1 mile	15,000	1	0			1	1	3	8 -	26	83	261	834	2,612	26
>1 to 2 miles	<u>30,000</u>	o	0	0	0	0	1	1	3	(I)	27	83	266	833	_8_
>2 to 3 miles	45,000		0	0	٥	0	-1	.1	1	. 4	12	38	120	376	12
>3 to 4 miles	27,000	0	0	0	0	0	0	1	1	<b>②</b>	7	23	73	229	
	ndividual =	120				<del></del>			•		· · · · · · · · · · · · · · · · · · ·			Score -	90

PA TABLE 9: AIR PATHWAY VALUES FOR WETLAND AREA

Wetland Area	Assigned Value
Lees than 1 sore	0
1 to 50 cores	25
Greater than 50 to 100 acres	75
Greater than 100 to 150 acres	125
Greater than 150 to 200 scree	176
Greater than 200 to 300 scree	250
Greater then 300 to 400 scree	350
Greater than 400 to 500 scree	450
Greater then 500 acres	500

PA TABLE 10: DISTANCE WEIGHTS AND CALCULATIONS FOR AIR PATHWAY SECONDARY SENSITIVE ENVIRONMENTS

	Distance Weight	Sensitive Environment Type and Value (from PA Table 5 or 9)	Product
Onsite	0.10	x	
		x	
		×	
0-1/4 mi	0.025	×	
		×	
		х	
1/4-1/2mi	0.0054	ĸ	
		ĸ	-
		×	-

Total Environments Score -

. <b>18</b>	S	S²
GROUND WATER PATHWAY SCORE (S <sub>ow</sub> ):	100	10,000
SURFACE WATER PATHWAY SCORE (S <sub>sw</sub> ):	2,4	578
SOIL EXPOSURE PATHWAY SCORE (S,):	2.6	26.8.
AIR PATHWAY SCORE (S.):	100	10,000
SITE SCORE: $\sqrt{\frac{S_{c}}{S_{c}}}$	4	70.7

#### SHMMARY

<u> </u>	WALL !		
		YES	NO
1.	Is there a high possibility of a threat to any nearby drinking water well(s) by migration of a hazardous substance in ground water?		78
	A. If yes, identify the well(s).		
	B. If yes, how many people are served by the threatened well(s)?		
2.	Is there a high possibility of a threat to any of the following by hazardous substance migration in surface water?		
	A. Drinking water intake  B. Fishery  C. Sensitive environment (wetland, critical habitat, others)	000	### ### ###
	D. If yes, identify the target(s).		
3.	Is there a high possibility of an area of surficial contamination within 200 feet of any residence, school, or daycare facility?	٥	Æ
	If yes, identify the property(les) and estimate the associated population(s).		
4.	Are there public health concerns at this site that are not addressed by PA scoring considerations? If yes, explain:	٥	<b>25</b>

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HRS DOCUMENTATION LOG SHEET SITE NAME: Accent Marble LOCATION: Villa Park, Illinois ILD 982069270

4	<b> </b>		+
1	REF. NO.	DESCRIPTION OF REFERENCE	
	1	No release to groundwater is suspected. No groundwater wells within a 4 mile radius are used for drinking purposes. All of these wells are used in a backup role. All drinking water in the area is supplied by the city of Chicago. The depth to the shallowest aquifer is approximately 70 feet.	
	2	All résidences within a 4 mile radius utilize water from nearby water districts, who obtain water from surface water intakes on Lake Michigan.	
	3	The nearest drinking water well is located over one mile from the site. See 7.5 minute map for location of this well.	
	4	Wellhead protection areas are located within 4 miles of the site, but the source does not lie within or above, nor a primary source is identified within this area.	
٠.	5	There has been no suspected release to surfacewater and the site lies in a 100 year floodplain.	
	6	According to Dick Lutz of the Department of Conservation, there are no sensitive aquatic environments within the 15 mile target distance limit.	
	7	According to Dick Lutz of the Department of Conservation, no sensitive environments are located within the 15 mile target distance limit.	
	8 · · · · · · · · · · · · · · · · · · ·	Since no release to soil is suspected and surficial contamination is generally assumed, a score of 550 is assigned.	
	9	During the site reconnaissance, IEPA personnel identified no schools or residences within 200 feet of the site.	

HRS DOCUMENTATION LOG SHEET SITE NAME: Accent Marble LOCATION: Villa Park, Illinois ILD 982069270

REF. NO. DESCRIPTION OF REFERENCE  10		1		
Productions, eight (8) people are employed at the present facility.  11 According to Dick Lutz of the Department of Conservation, there are no sensitive environments within the target distance limit.  12 The population within a one mile radius of the site is between 10,000 and 50,000.  13 The DuPage County Fire Department responded to citizen complaints concerning fumes emanating from Accent Marble's drum storage area on August 23, 1990.  14 An estimation of people occupying a one-quarter mile radius from the site.		REF. NO.	DESCRIPTION OF REFERENCE	r 
Conservation, there are no sensitive environments within the target distance limit.  The population within a one mile radius of the site is between 10,000 and 50,000.  The DuPage County Fire Department responded to citizen complaints concerning fumes emanating from Accent Marble's drum storage area on August 23, 1990.  An estimation of people occupying a one-quarter mile radius from the site.	-	10	Productions, eight (8) people are employed	
site is between 10,000 and 50,000.  The DuPage County Fire Department responded to citizen complaints concerning fumes emanating from Accent Marble's drum storage area on August 23, 1990.  An estimation of people occupying a one-quarter mile radius from the site.		11	Conservation, there are no sensitive	
citizen complaints concerning fumes emanating from Accent Marble's drum storage area on August 23, 1990.  An estimation of people occupying a one-quarter mile radius from the site.		12		
mile radius from the site.	-	13	citizen complaints concerning fumes emanating from Accent Marble's drum storage area on	
15 See PA Table 8.		14		
		15	See PA Table 8.	